3-F.3.0. EXAMPLE CHECKLIST FOR A FINAL STORMWATER MANAGEMENT SITE PLAN PREPARATION AND REVIEW

Fin			
Sit	nal Plan Submission Date oject Name te Plan/Permit Number		
Δn	e Address	Phone Number	
Applicant Legal Address		FIIONE NUMBEI	
Ov	vner	Phone Number	
OwnerPrincipal Designer		Phone Number	
General Contractor		Phone Number	
2.	Signature and stamp of licensed certification	professional consultant and owner	
	Plan Status Approved Not Approved Legend:	 - Complete Inc Incomplete/Incorrect N/A - Not Applicable	
4.	Common address and legal description of the site, including the tax reference number(s) and parcel number(s) of the property or properties affected.		
	A narrative that includes a descrip proposed development and final site correnvironmental site design techniques and proposed information pertaining to long-term metal below), and a construction schedule. Existing and proposed mapping and plans (redeated) which illustrates the following of a minimum of the proposed mapping and plans (redeated) which illustrates the following of a minimum of the proposed mapping and plans (redeated) which illustrates the following of a minimum of the proposed mapping and plans (redeated) which illustrates the following of a minimum of the proposed mapping and plans (redeated) which illustrates the following of the proposed mapping and plans (redeated) which illustrates the following of the proposed mapping and plans (redeated) which is the proposed mapping and plans (rede	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater	
	proposed development and final site cor environmental site design techniques and pr relevant information pertaining to long-term mand #12 below), and a construction schedule.	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater	
	proposed development and final site corenvironmental site design techniques and prelevant information pertaining to long-term met #12 below), and a construction schedule. Existing and proposed mapping and plans (red	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater	
	proposed development and final site correnvironmental site design techniques and proposed relevant information pertaining to long-term multiple #12 below), and a construction schedule. Existing and proposed mapping and plans (reduction), which illustrates the following at a minimultiple Morth arrow Legend	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater	
	proposed development and final site correnvironmental site design techniques and proposed relevant information pertaining to long-term multiple states and proposed mapping and plans (reduction), which illustrates the following at a minimal North arrow Legend Vicinity map	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater mum:	
6.	proposed development and final site correnvironmental site design techniques and proposed relevant information pertaining to long-term multiple with the following and plans (reduction), and a construction schedule. Existing and proposed mapping and plans (reduction), which illustrates the following at a minimal plans with the followi	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater mum:	
6.	proposed development and final site correnvironmental site design techniques and proposed relevant information pertaining to long-term multiple states and proposed mapping and plans (reduction), which illustrates the following at a minimal North arrow Legend Vicinity map	aditions, including proposed use of actices, stormwater control measures, aintenance of these measures (see item commended scale of 1" = 50', or greater mum:	

	Location and boundaries of natural feature protection and conservation areas (e.g., wetlands, lakes, ponds, aquifers, public drinking water supplies, etc.) and applicable
	setbacks (e.g., stream buffers, drinking water well setbacks, septic drainfield setbacks, building setbacks, etc.)
	_ Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list
	of impaired waters Current land use and location of existing and proposed roads, buildings, parking lots
	and other impervious areas
	 Location and description of any planned demolition of existing structures, roads, etc. Proposed land use(s) with a tabulation of the percentage of surface area to be adapted to various uses, including but not limited to planned locations of utilities, roads, parking lots, stormwater management facilities, and easements
	Location of existing and proposed utilities [e.g., water (including wells), sewer (including septic systems), gas, electric, telecommunications, cable TV, etc.] and easements
	 Earthwork specifications Selection, location and design of both structural and non-structural stormwater control measures, including maintenance access and limits of disturbance
	_ Storm drainage plans for site areas <i>not</i> draining to any BMP(s)
	Location of existing and proposed conveyance systems, such as storm drains, inlets, catch basins, channels, swales, and areas of overland flow, including grades, dimensions, and direction of flow
	Final drainage patterns and flow paths
	Location of floodplain/floodway limits and relationship of site to upstream and
	downstream properties and drainage systems
	_ Location of all contributing drainage areas and points of stormwater discharge,
	receiving surface waters or karst features into which stormwater discharges, the pre- development and post-development conditions for drainage areas, and the potential
	impacts of site stormwater on adjoining parcels
	_ Location and dimensions of proposed channel modifications, such as bridge or culvert
	crossings _ Final stabilization and landscaping plans
	_
7. Hy	drologic and hydraulic analysis, including the following:
	_ Site map with locations of design points and drainage areas (size in acres) for runoff calculations
	_ Identification and calculation of stormwater site design credits, if any apply
	Estimates of unified stormwater sizing criteria requirements
	Time of concentration (and associated flow paths)
	Imperviousness of the entire site and each drainage area
	NRCS runoff curve numbers or volumetric runoff coefficients
	_ A hydrologic analysis for the existing (pre-development) conditions, including runoff
	rates, volumes, and velocities, showing the methodologies used and supporting calculations
	A hydrologic analysis for the proposed (post-development) conditions, including runoff
	rates, volumes, and velocities, showing the methodologies used and supporting calculations
	_ Hydrologic and hydraulic analysis of the stormwater management system for all
	applicable design storms
	_ Pollution load and load reduction requirements and calculations

	 Final good engineering and sizing calculations for stormwater control measures, including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage
	facilities Final analysis of the potential downstream impacts/effects of the project, where necessary Downstream analysis, where detention is proposed Dam safety and breach analysis, where necessary
3.	Representative cross-section and profile drawings and details of stormwater control measures and conveyances which include the following:
	 Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.) Design water surface elevations Structural details of BMP designs, outlet structures, embankments, spillways, grade control structures, conveyance channels, etc.
9.	Applicable construction and material specifications, including references to applicable material and construction standards (ASTM, etc.)
10	Erosion and sediment control plan that, at a minimum, meets the requirements outlined in the Virginia Erosion and Sediment Control Regulations and
10.	Handbook
11.	Handbook
11.	Handbook Landscaping plans for stormwater control measures and any site
11.	Landscaping plans for stormwater control measures and any site reforestation or revegetation Operations and maintenance plan/agreement that includes the following: Name, legal address and phone number of the party or parties responsible for long-term maintenance activities Description and schedule of maintenance tasks Identification/description of the source of funding to support maintenance activities Description of access and safety issues Procedures for testing and disposal of sediments, if required
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11. 12. 13. 14.	Landscaping plans for stormwater control measures and any site reforestation or revegetation Operations and maintenance plan/agreement that includes the following: Name, legal address and phone number of the party or parties responsible for long-term maintenance activities Description and schedule of maintenance tasks Identification/description of the source of funding to support maintenance activities Description of access and safety issues Procedures for testing and disposal of sediments, if required Right-of-entry authorization for local government inspections/repairs, as needed Evidence of acquisition of all applicable local and non-local permits Waiver/exception requests Evidence of acquisition of all necessary legal agreements (e.g., easements,

19	Pavement section (Subgrade Min. CBR 20)
20	Newport News General Notes
21	Use latest Newport News Details or HRPDC (Trench Type III needs to be used
for Storm	vater Installations.)